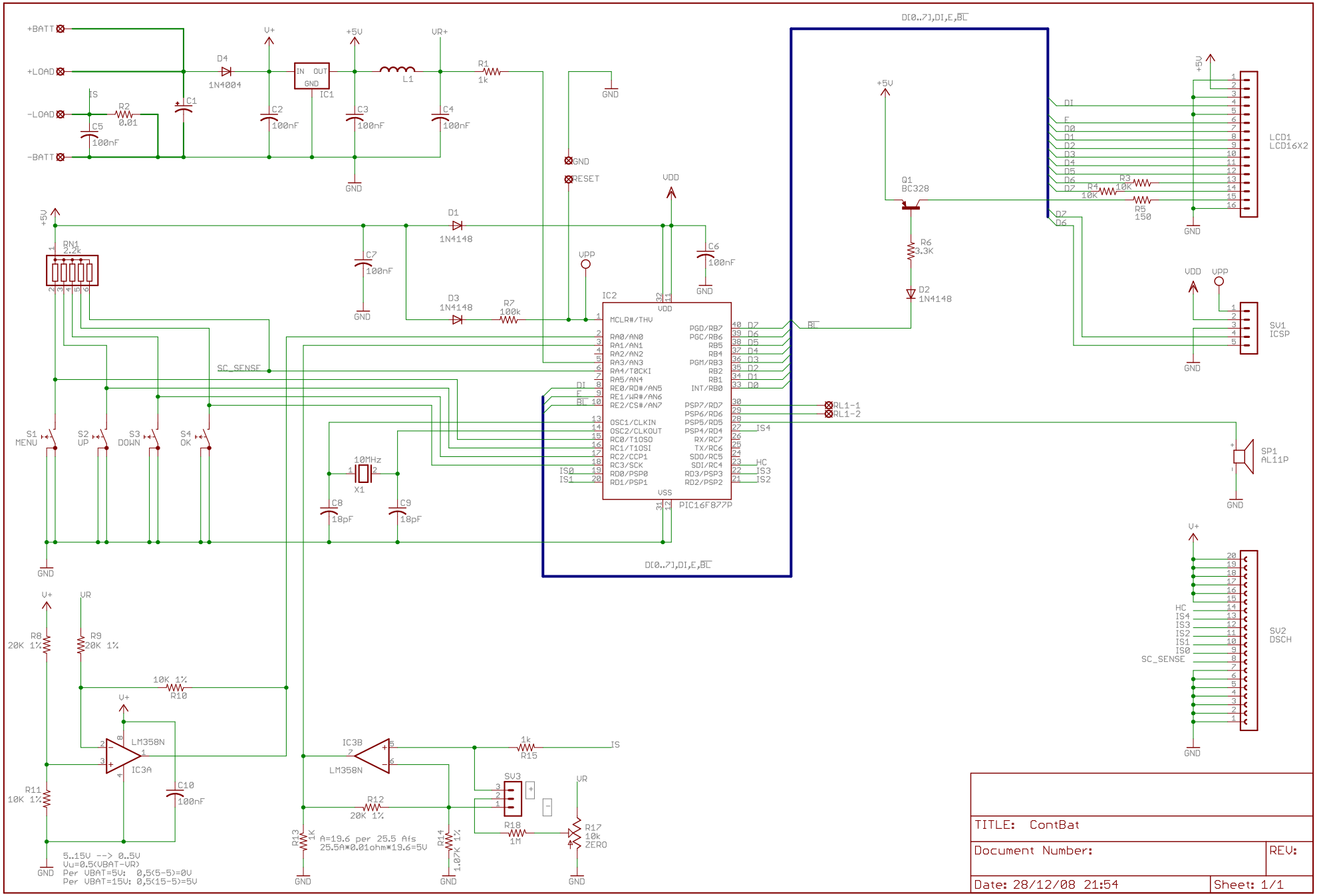
+BATT
+LOAD
-LOAD
-BATT
D4
1N4004
V+
IN OUT
GND
IC1
+5V
VR+
L1
R1
1k
GND
IS
R2
0.01
C1
C2
100nF
C3
100nF
C4
100nF
C5
100nF
GND
RESET
VDD
D1
1N4148
RN1
2.2k
C7
100nF
C6
100nF
GND
VPP
IC2
D3
1N4148
R7
100k
MCLR#/THV
RA0/AN0
RA1/AN1
RA2/AN2
RA3/AN3
RA4/T0CKI
RA5/AN4
RE0/RD#/AN5
RE1/WR#/AN6
RE2/CS#/AN7
OSC1/CLKIN
OSC2/CLKOUT
RC0/T1OSO
RC1/T1OSI
RC2/CCP1
RC3/SCK
RD0/PSP0
RD1/PSP1
PGD/RB7
PGC/RB6
RB5
RB4
PGM/RB3
RB2
RB1
INT/RB0
PSP7/RD7
PSP6/RD6
PSP5/RD5
PSP4/RD4
RX/RC7
TX/RC6
SDO/RC5
SDI/RC4
RD3/PSP3
RD2/PSP2
VSS
PIC16F877P
SC_SENSE
DI
F
BL
D7
D6
D5
D4
D3
D2
D1
D0
IS4
HC
IS3
IS2
IS0
IS1
RL1-1
RL1-2
D0..7],DI,E,BL
S1
MENU
S2
UP
S3
DOWN
S4
OK
10MHz
X1
C8
18pF
C9
18pF
Q1
BC328
R6
3.3K
D2
1N4148
R3
10K
R4
10K
R5
150
LCD1
LCD16X2
SV1
ICSP
SP1
AL11P
SV2
DSCH
SC_SENSE
R8
20K 1%
R9
20K 1%
10K 1%
R10
LM358N
IC3A
IC3B
R11
10K 1%
C10
100nF
R12
20K 1%
R13
1K
R14
1.07K 1%
R15
1k
IS
SV3
R18
1M
R17
10k
ZERO
VR
A=19.6 per 25.5 Afs
25.5A*0.01ohm*19.6=5V
5..15V --> 0..5V
Vu=0.5(VBAT-VR)
Per VBAT=5V: 0,5(5-5)=0V
Per VBAT=15V: 0,5(15-5)=5V
TITLE: ContBat
Document Number:
REV:
Date: 28/12/08 21:54
Sheet: 1/1